

Genus Datasheet

DatasheetNo. A-377.033
(Family.Genus)

DBT- Network Progr

1. Genus: *Ruellia* L.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Ruellia* L.

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Ruellia* L.

3. Species:

Global: 269

India: 10

4. Taxonomic riddles: Yes⁸

5. Distribution:

Global: Argentina, Angola, Bolivia, Colombia, Brazil, Ethiopia, Djibouti, Saudi Arabia, India, Uganda, Kenya, Tanzania, Venezuela, Paraguay, Nepal, Mexico, Oman, Java, Sri Lanka, Somalia, USA, Yemen, Zimbabwe,

India: Central & East India, Kerala, Gujarat, Uttarakhand, Upper Gangetic Plains, Haryana, Rajasthan

6. Habit and Habitat: Shrub

7. Economic Importance:

8. DNA content range:

Methodology:

2C

4C

9. Basic chromosome number(s):

10. Zygotic chromosome number (s): $2n=34^1$, $2n=32^{2,3}$, $2n=44^3$

11. Gametic chromosome number (s): $n=16^{2,3}$, $n=17^{4,5,6}$

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ Neocentric chromosomes):

13. Ploidy level: Diploid^{2,3}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level: DNA level⁸

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:

